

Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 1, 2006, 10:44:30 ; Search time 816 Seconds

(without alignments)
780.321 Million cell updates/sec

Title: US-10-604-944A-14

Perfect score: 77

Sequence: 1 ttacccatatgtggaaaca.....aacatttaatgtcatggtaa 77

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA Main:
1: /cgn2_E/ptodata/1/pubna/US07_PUBCOMB.seq/*
2: /cgn2_6/ptodata/1/pubna/US08_PUBCOMB.seq/*
3: /cgn2_6/ptodata/1/pubna/US09_PUBCOMB.seq/*
4: /cgn2_6/ptodata/1/pubna/US10_PUBCOMB.seq/*
5: /cgn2_6/ptodata/1/pubna/US10A_PUBCOMB.seq/*
6: /cgn2_6/ptodata/1/pubna/US10B_PUBCOMB.seq/*
7: /cgn2_6/ptodata/1/pubna/US10C_PUBCOMB.seq/*
8: /cgn2_6/ptodata/1/pubna/US10D_PUBCOMB.seq/*
9: /cgn2_6/ptodata/1/pubna/US10E_PUBCOMB.seq/*
10: /cgn2_6/ptodata/1/pubna/US11_PUBCOMB.seq/*

Post. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|---------------------|-------------------|
| 1 | 77 | 100.0 | 77 | 8 US-10-604-944-14 | Sequence 14, App1 |
| 2 | 77 | 100.0 | 845 | 3 US-09-756-551A-3 | Sequence 3, App1 |
| 3 | 77 | 100.0 | 1092 | 5 US-10-003-015-34 | Sequence 34, App1 |
| 4 | 77 | 100.0 | 1092 | 6 US-10-286-312A-34 | Sequence 34, App1 |
| 5 | 77 | 100.0 | 1092 | 6 US-10-280-915-34 | Sequence 34, App1 |
| 6 | 77 | 100.0 | 1092 | 8 US-10-286-312A-34 | Sequence 34, App1 |
| 7 | 77 | 100.0 | 1092 | 8 US-10-280-915-34 | Sequence 34, App1 |
| 8 | 77 | 100.0 | 1179 | 5 US-10-003-015-35 | Sequence 35, App1 |
| 9 | 77 | 100.0 | 1179 | 6 US-10-286-312A-35 | Sequence 35, App1 |
| 10 | 77 | 100.0 | 1179 | 6 US-10-280-915-35 | Sequence 35, App1 |
| 11 | 77 | 100.0 | 1179 | 8 US-10-280-915-35 | Sequence 35, App1 |
| 12 | 77 | 100.0 | 1179 | 8 US-10-280-915-35 | Sequence 35, App1 |
| 13 | 77 | 100.0 | 1308 | 5 US-10-003-015-36 | Sequence 36, App1 |
| 14 | 77 | 100.0 | 1308 | 6 US-10-286-312A-36 | Sequence 36, App1 |
| 15 | 77 | 100.0 | 1308 | 6 US-10-280-915-36 | Sequence 36, App1 |
| 16 | 77 | 100.0 | 1308 | 8 US-10-286-312A-36 | Sequence 36, App1 |
| 17 | 77 | 100.0 | 1308 | 8 US-10-280-915-36 | Sequence 36, App1 |
| 18 | 77 | 100.0 | 1496 | 5 US-10-003-015-17 | Sequence 17, App1 |
| 19 | 77 | 100.0 | 1496 | 6 US-10-286-312A-17 | Sequence 17, App1 |
| 20 | 77 | 100.0 | 1496 | 6 US-10-280-915-17 | Sequence 17, App1 |
| 21 | 77 | 100.0 | 1496 | 8 US-10-286-312A-17 | Sequence 17, App1 |
| 22 | 77 | 100.0 | 1496 | 8 US-10-280-915-17 | Sequence 17, App1 |
| 23 | 77 | 100.0 | 1503 | 3 US-09-968-355-25 | Sequence 25, App1 |

RESULT 1
US-10-604-944-14

/ Sequence 14, Application US-10604944
/ Publication No. US20040219515A1

/ GENERAL INFORMATION:

/ APPLICANT: ROSETTA GENOMICS LTD

/ TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL HIV REGULATORY GENES

/ FILE REFERENCE: 55008

/ CURRENT APPLICATION NUMBER: US-10/604,944

/ NUMBER OF SEQ ID NOS: 406

/ SOFTWARE: Patentin version 3.2

/ SEQ ID NO: 14.

/ LENGTH: 77

/ TYPE: DNA

/ ORGANISM: Human immunodeficiency virus 1

US-10-604-944-14

Query Match 100.0%; Score 77; DB 8; Length 77;
Best Local Similarity 100.0%; Pred. No. 2.7e-18;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTACCTATAGTGCAGAACATCCAGGGCAAAATGGTACATCAGCTTAAAC 60

Db 1 TTACCTATAGTGCAGAACATCCAGGGCAAAATGGTACATCAGCTTAAAC 60

Qy 61 TTAAATGCTATGGTAA 77

Db 61 TTAAATGCTATGGTAA 77

RESULT 2
US-09-756-551A-3

/ Sequence 3, Application US-09756551A

/ Patent No. US200501768A1

/ GENERAL INFORMATION:

/ APPLICANT: C. MORROW et al.

/ TITLE OF INVENTION: ENCAPSIDATED RECOMBINANT VIRAL

/ TITLE OF INVENTION: NUCLEIC ACID AND METHODS OF MAKING AND

/ NUMBER OF SEQUENCES: 23

/ CORRESPONDENCE ADDRESS:

/ ADDRESSEE: LAHIVE & COCKFIELD

/ STREET: 28 STATE STREET

/ CITY: BOSTON

ALIGNMENTS

RESULT 1
US-10-604-944-14

/ Sequence 14, Application US-10604944
/ Publication No. US20040219515A1

/ GENERAL INFORMATION:

/ APPLICANT: ROSETTA GENOMICS LTD

/ TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL HIV REGULATORY GENES

/ FILE REFERENCE: 55008

/ CURRENT APPLICATION NUMBER: US-10/604,944

/ NUMBER OF SEQ ID NOS: 406

/ SOFTWARE: Patentin version 3.2

/ SEQ ID NO: 14.

/ LENGTH: 77

/ TYPE: DNA

/ ORGANISM: Human immunodeficiency virus 1

US-10-604-944-14

Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM nucleic - nucleic search, using SW model

Run on: February 1, 2006, 10:52:42 ; Search time 405 Seconds (without alignments)

157.929 Million cell updates/sec

Title: US-10-604-944A-14

Perfect score: 77

Sequence: 1 ttaccttatagtgcagaa...aaacttaatgtcatggtaa 77

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 605951 seqs, 41533918 residues

Total number of hits satisfying chosen parameters: 12119102

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_NA_New:*

1: /cgn2_6/prodata/2/pubna/US08_NEW_PUB.seq;*

2: /cgn2_6/prodata/2/pubna/US06_NEW_PUB.seq;*

3: /cgn2_6/prodata/2/pubna/US07_NEW_PUB.seq;*

4: /cgn2_6/prodata/2/pubna/US05_NEW_PUB.seq;*

5: /cgn2_6/prodata/2/pubna/US09_NEW_PUB.seq;*

6: /cgn2_6/prodata/2/pubna/US10_NEW_PUB.seq;*

7: /cgn2_6/prodata/2/pubna/US11_NEW_PUB.seq;*

8: /cgn2_6/prodata/2/pubna/US11_NEW_PUB.seq;*

9: /cgn2_6/prodata/2/pubna/US11_NEW_PUB.seq;*

10: /cgn2_6/prodata/2/pubna/US11_NEW_PUB.seq;*

11: /cgn2_6/prodata/2/pubna/US60_NEW_PUB.seq;*

Result No. Score Query Match Length DB ID Description

1 77 100.0 1515 7 US-10-507-928-5 Sequence 5, Appli

2 77 100.0 1515 8 US-11-029-465-5 Sequence 5, Appli

3 77 100.0 9719 10 US-11-042-988-10 Sequence 10, Appli

4 75.4 97.9 1503 7 US-10-519-531-2 Sequence 2, Appli

5 75.4 97.9 16360 7 US-10-519-531-1 Sequence 1, Appli

6 75.4 97.9 17207 7 US-10-519-531-8 Sequence 8, Appli

7 45.6 59.2 1521 8 US-11-129-442-22 Sequence 22, Appli

8 44 57.1 1503 7 US-10-507-928-3 Sequence 3, Appli

9 44 57.1 1503 8 US-11-029-465-3 Sequence 3, Appli

10 44 57.1 1518 7 US-10-507-928-7 Sequence 7, Appli

11 44 57.1 1518 8 US-11-029-465-7 Sequence 7, Appli

12 42.4 55.1 1092 8 US-11-014-842A-40 Sequence 40, Appli

13 42.4 55.1 5278 8 US-11-124-602-2 Sequence 2, Appli

14 42.4 55.1 5304 8 US-11-124-602-1 Sequence 1, Appli

15 28.2 36.6 1329 7 US-10-750-185-37952 Sequence 37952, Appli

16 28.2 36.6 1329 7 US-10-750-623-37952 Sequence 37952, Appli

c 17 26.4 34.3 1601140 8 US-11-091-018-1 Sequence 1, Appli

c 18 25.8 33.5 697 7 US-10-750-185-28949 Sequence 28849, Appli

c 19 25.8 33.5 697 7 US-10-150-623-28849 Sequence 28849, Appli

c 20 24.8 32.2 98345 8 US-11-112-908-36 Sequence 36, Appli

c 21 24.8 32.2 127340 8 US-11-112-908-35 Sequence 35, Appli

c 22 24.4 31.7 1086 7 US-10-750-185-32559 Sequence 32559, Appli

RESULT 1
US-10-507-928-5
; Sequence 5, Application US/10507928
; Publication No. US20050266024A1
; GENERAL INFORMATION:
; APPLICANT: POWDERMED LIMITED AND GLAXO GROUP LIMITED
; TITLE OF INVENTION: ADJUVANT
; FILE REFERENCE: N-882212.GCN
; CURRENT APPLICATION NUMBER: US/10/507,928
; CURRENT FILING DATE: 2004-09-17
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 5
; LENGTH: 1515
; OTHER INFORMATION: nucleotide sequence of the p17/24trNEF insert in p17/24t-NEF1

Query Match 100.0%; Score 77; DB 7; Length 1515;
Best Local Similarity 100.0%; Pred. No. 4.3e-20;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTACCCCTATAGTGCAGAACATCCAGGGCAATATGGTACATGGCCATATGACCTGAAAC 60
Db 393 TTACCCCTATAGTGCAGAACATCCAGGGCAATATGGTACATGGCCATATGACCTGAAAC 452
Qy 61 TTTAAATGATGGTAA 77
Db 453 TTTAAATGATGGTAA 469

RESULT 2
US-11-029-465-5
; Sequence 5, Application US/11029465
; Publication No. US20050256070A1
; GENERAL INFORMATION:
; APPLICANT: Braun, Ralph P.
; APPLICANT: Thomsen, Lindy
; APPLICANT: Van-Wely, Catherine
; APPLICANT: Ertl, Peter
; TITLE OF INVENTION: Adjuvant
; FILE REFERENCE: 033267-015
; CURRENT APPLICATION NUMBER: US/11/029,465

SUMMARIES

Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 1, 2006, 10:41:26 ; Search time 142 Seconds

(without alignments)
963.889 Million cell updates/sec

Title: US-10-604-944A-14

Perfect score: 77

Sequence: 1 ttacccatagcagaaca.....aacttaaatgcattggtaa 77

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 130307 seqs, 888780928 residues

Total number of hits satisfying chosen parameters:

2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

```
1: /cgmn2_6/prodata/1/ina/1/COMB.seq:*
 2: /cgmn2_6/prodata/1/ina/5_-COMB.seq:*
 3: /cgmn2_6/prodata/1/ina/6A COMB.seq:*
 4: /cgmn2_6/prodata/1/ina/6B COMB.seq:*
 5: /cgmn2_6/prodata/1/ina/H COMB.seq:*
 6: /cgmn2_6/prodata/1/ina/PCTUS COMB.seq:*
 7: /cgmn2_6/prodata/1/ina/PP COMB.seq:*
 8: /cgmn2_6/prodata/1/ina/RE COMB.seq:*
 9: /cgmn2_6/prodata/1/ina/backfile.seq:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query | Match | Length | DB ID | Description |
|------------|-------|-------|-------|--------|-------------------|---------------------|
| 1 | 77 | 100.0 | 840 | 2 | US-07-979-966A-1 | Sequence 1, Appli |
| 2 | 77 | 100.0 | 845 | 2 | US-08-959-446-3 | Sequence 3, Appli |
| 3 | 77 | 100.0 | 845 | 2 | US-08-444-882-3 | Sequence 3, Appli |
| 4 | 77 | 100.0 | 845 | 3 | US-08-389-459A-3 | Sequence 3, Appli |
| 5 | 77 | 100.0 | 845 | 3 | US-08-987-867A-3 | Sequence 3, Appli |
| 6 | 77 | 100.0 | 1314 | 3 | US-08-392-94A-1 | Sequence 1, Appli |
| 7 | 77 | 100.0 | 2095 | 2 | US-08-333-901-5 | Sequence 5, Appli |
| 8 | 77 | 100.0 | 2095 | 2 | US-08-456-582-5 | Sequence 5, Appli |
| 9 | 77 | 100.0 | 2095 | 2 | US-08-898-789-5 | Sequence 5, Appli |
| 10 | 77 | 100.0 | 3807 | 2 | US-08-417-210A-78 | Sequence 78, Appli |
| 11 | 77 | 100.0 | 3807 | 3 | US-09-136-159A-78 | Sequence 78, Appli |
| 12 | 77 | 100.0 | 4307 | 3 | US-09-552-950-1 | Sequence 1, Appli |
| 13 | 77 | 100.0 | 4307 | 3 | US-09-936-572-1 | Sequence 1, Appli |
| 14 | 77 | 100.0 | 4338 | 3 | US-09-872-733A-1 | Sequence 1, Appli |
| 15 | 77 | 100.0 | 5362 | 3 | US-08-463-210A-5 | Sequence 5, Appli |
| 16 | 77 | 100.0 | 5362 | 3 | US-08-463-028-5 | Sequence 5, Appli |
| 17 | 77 | 100.0 | 5362 | 3 | US-08-463-209-5 | Sequence 5, Appli |
| 18 | 77 | 100.0 | 7228 | 2 | US-08-850-049-128 | Sequence 128, Appli |
| 19 | 77 | 100.0 | 7228 | 2 | US-08-850-049-129 | Sequence 128, Appli |
| 20 | 77 | 100.0 | 7228 | 2 | US-08-050-478-128 | Sequence 128, Appli |
| 21 | 77 | 100.0 | 7228 | 2 | US-08-050-478-129 | Sequence 128, Appli |
| 22 | 77 | 100.0 | 7228 | 3 | US-09-414-117-128 | Sequence 128, Appli |
| 23 | 77 | 100.0 | 7228 | 3 | US-09-414-117-129 | Sequence 128, Appli |
| 24 | 77 | 100.0 | 7228 | 3 | US-09-678-437-128 | Sequence 128, Appli |

Query Match 100.0% ; Score 77; DB 2; Length 840;

ALIGNMENTS

| | | |
|----------|------------------|--|
| RESULT 1 | US-07-979-966A-1 | Sequence 1, Application US/07979966A |
| | | Patent No. 5107864 |
| | | GENERAL INFORMATION: |
| | | APPLICANT: Myron E. Essex |
| | | APPLICANT: Xiaofang Yu |
| | | APPLICANT: Tun-Hou Lee |
| | | TITLE OF INVENTION: AIDS THERAPEUTICS BASED ON HIV |
| | | NUMBER OF SEQUENCES: 19 |
| | | CORRESPONDENCE ADDRESS: |
| | | ADDRESSEE: Fish & Richardson |
| | | STREET: 225 Franklin Street |
| | | CITY: Boston |
| | | STATE: Massachusetts |
| | | COUNTRY: U.S.A. |
| | | ZIP: 02110-2804 |
| | | COMPUTER READABLE FORM: |
| | | MEDIUM TYPE: 3.5" Diskette, 1.44 Mb |
| | | COMPUTER: IBM PS/2 Model 50Z or 55SX |
| | | OPERATING SYSTEM: MS DOS (Version 5.0) |
| | | SOFTWARE: WordPerfect (Version 5.1) |
| | | CURRENT APPLICATION DATA: |
| | | APPLICATION NUMBER: US/07/979, 966A |
| | | FILING DATE: No. 5707864ember 23, 1992 |
| | | CLASSIFICATION: 514 |
| | | PRIORITY APPLICATION DATA: |
| | | APPLICATION NUMBER: |
| | | FILING DATE: |
| | | ATTORNEY/AGENT INFORMATION: |
| | | NAME: John W. Freeman |
| | | REGISTRATION NUMBER: 29,066 |
| | | REGISTRATION/DOCKET NUMBER: 00379/018001 |
| | | TELECOMMUNICATION INFORMATION: |
| | | TELEPHONE: (617) 542-5070 |
| | | TELEFAX: (617) 542-8906 |
| | | TELEX: 200154 |
| | | INFORMATION FOR SEQ ID NO: 1: |
| | | SEQUENCE CHARACTERISTICS: |
| | | LENGTH: 840 |
| | | TYPE: nucleic acid |
| | | STRANDEDNESS: single |
| | | TOPOLOGY: linear |
| | | US-07-979-966A-1 |